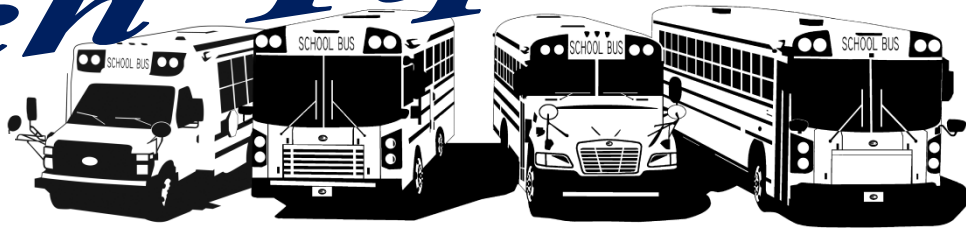


# Tech Tip

FROM YOUR FRIENDS AT  
NEW YORK BUS SALES!



## Blue Bird BBCV (Vision)/GM 8.1L Propane Engine w/single serpentine belt

- Complaint –** The belt tensioner nubs are running too close showing that the tensioner +/- or belt are worn. A slight “chirp” may be heard on shutdown of the engine – Please see Figure #1 & 2.
- Cause –** If the belt or the tensioner has recently been replaced it may be the improper part, if not the belt +/- or tensioner may be worn.
- Correction –** If the belt +/- or tensioner have recently been replaced and the “nubs” of the tensioner are still close you need to make sure that the proper parts have been used. See the text box below-

**PLEASE NOTE –** After checking with Dayco who provided the belt set-up on this unit there should be 14 degrees between the nubs of the tensioner which equates to approximately 1/2” as shown in Figure #3.

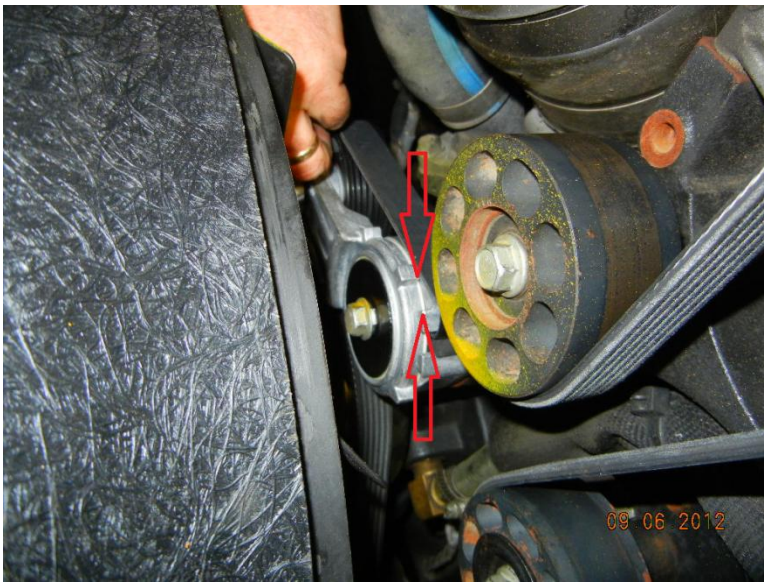
**PLEASE NOTE –** Figure #4 also gives the proper belt routing-



Figure #1



Figure #2



**PROPER PART NUMBERS**

**TENSIONER PART #1622-6300-01**

**BELT-DAYCO PART #5061360**

**IDLER PULLEY #6 – DATCO #89106**

**Figure #3**

**PLEASE NOTE – WE FOUND THAT THERE IS A DIFFERENCE IN BELT MANUFACTURES ALSO AS SHOWN BELOW THE DAYCO SPEC ON THE LENGTH IS 136.02” WHERE THE NAPA BELT WHO IS MADE BY GATES IS 136.5” WHICH COULD EFFECTIVELY CAUSE AN ISSUE WITH THE BELT TENSIONER POSITIONING –THEREFORE IT IS STRESSED THAT OEM PARTS SHOULD BE REPLACED WITH OEM PARTS**

**Part#: 5061360**

Part Specifications	
Attributes	Specifications
Backside Material	Rubber
Compound	EPDM, Aramid Reinforced
Effective Length (in)	136.02
Metric Part	6PK3455
No of Ribs	6
Rib Depth	Standard
Rib Profile	Straight Rib
Thickness	.169
Top Width	.82

Images	
View	Image
Main	



Part Number: NBH 25061360  
 Product Line: NAPA Belts & Hoses

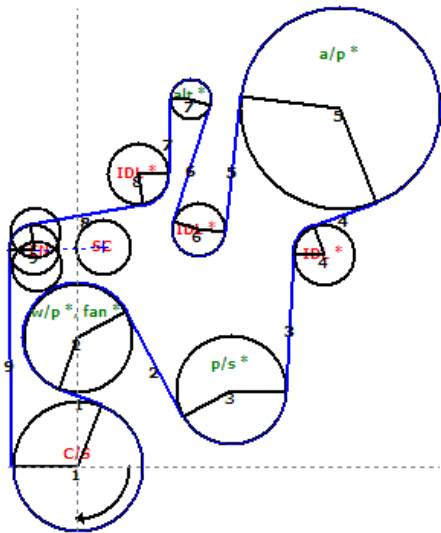
**Attributes:**

- # Serpentine Belt Ribs : 6
- Outside Circumference (in) : 136.5"
- Outside Circumference (mm) : 3467 mm
- Section: K Top Width (in) : .807"
- Top Width (mm) : 20 mm

**Features and Benefits:** Import or Domestic, Car or Truck, Every Vehicle Can Depend On The Superior Quality & Precision Fit of Micro-V AT (Advanced Technology) Belts. Advanced Technology Provides Up To 50% Longer Life Than Retail Belts & Can Restore Your Vehicle To Factory-Original Condition & Ensure Optimal Vehicle Performance. Micro-V AT Belts Provide Peak Operating Performance While Delivering The Highest Value Available. Special Belt Constructions Eliminate Belt Noise, Reduce Tension Loss & Solve Problem Drive Applications.

**REVISION "B" – DATE 9-18-12**

After replacing the belt and tensioner as previously discussed it was determined that the tensioner would again be running too close to the nubs which was not recommended. Working with Dayco it was determined that idler #6 in the **Figure #4** should be replaced with a slightly larger pulley, Dayco #89106. Once this is done and the unit ran for a couple of days you can see that the tensioner is almost perfectly centered as it should be.



**Figure #4**



**Figure #5**



*Contact Our Service Department With Any Questions*

*CHITTENANGO – phone 800-962-5768 or*

*Daryl Wallace : [dwallace@newyorkbussales.com](mailto:dwallace@newyorkbussales.com)*

*Brian Lamaitis : [blamaitis@newyorkbussales.com](mailto:blamaitis@newyorkbussales.com)*

*ROCHESTER – phone 800-463-3232 or*

*Gary Chichester: [gchichester@newyorkbussales.com](mailto:gchichester@newyorkbussales.com)*

*ALBANY – phone 866-867-1100 or*

*Ben Reiling: [breiling@newyorkbussales.com](mailto:breiling@newyorkbussales.com)*

*Steve Searles: [ssearles@newyorkbussales.com](mailto:ssearles@newyorkbussales.com)*

*WARRANTY – 800-962-5768 ext 237*

*Morgan Jenkins: [mjenkins@newyorkbussales.com](mailto:mjenkins@newyorkbussales.com)*

ALL of our Tech Tips can be found on the New York Bus Sales website at

<http://www.newyorkbussales.com/pages/bulletins.cfm>

Or at the New York Head Mechanic website at

<http://www.nvhma.org/viewforum.php?f=2&start=0>